



## Cumulative Contents

## Regular Section

## Short Sequence-Paper

- Cloning and structural analysis of the gene for cAMP-dependent protein kinase catalytic subunit from *Plasmodium yoelii*  
 A. Saito-Ito, S. He, M. Kimura, T. Matsumura and K. Tanabe (Japan) 1

## Regular Papers

- Metabolism of homocysteine, its relation to the other cellular thiols and its mechanism of cell damage in a cell culture line (human histiocytic cell line U-937)  
 B. Hultberg, A. Andersson and A. Isaksson (Sweden) 6
- Purification and characterization of an endothelial cell-viability maintaining factor from fetal bovine serum  
 G. Cai, T. Satoh and H. Hoshi (Japan) 13
- The influence of antioxidants and cycloheximide on the level of nitric oxide in the livers of mice in vivo  
 V.D. Mikoyan, N.V. Voevodskaya, L.N. Kubrina, I.V. Malenkova and A.F. Vanin (Russian Federation) 19
- Cooperative effects of interferon- $\gamma$  on the induction of NADPH oxidase by retinoic acid or 1,25(OH) $_2$ -vitamin D $_3$  in monocytic U937 cells  
 H. Obermeier, A. Sellmayer, U. Danesch and M. Aepfelbacher (Germany) 25
- Lymphoma cells selected for resistance against the cytotoxic effect of oxygenated sterols are also resistant to nonsteroidal antiestrogens  
 Y.L. Low and P.L.H. Hwang (Singapore) 32
- A serpin from human tumor cells with direct lymphoid immunomodulatory activity: mitogenic stimulation of human tumor-infiltrating lymphocytes  
 B.Z. Packard, S.S. Lee, E. Remold-O'Donnell and A. Komoriya (USA) 41
- Mitogenic stimulation of human lymphocytes mediated by a cell surface elastase  
 B.Z. Packard, H.S. Mostowski and A. Komoriya (USA) 51

- Src-transformation of mouse fibroblasts induces a Ca $^{2+}$ -activated K $^{+}$  current without changing the T-type Ca $^{2+}$  current  
 H.J. Draheim, H. Repp and F. Dreyer (Germany) 57

## Subsection

## Short Sequence-Paper

- Bacillus amyloliquefaciens* possesses a second type I signal peptidase with extensive sequence similarity to other *Bacillus* SPases  
 V. Hoang and J. Hofemeister (Germany) 64

## Regular Papers

- The protein kinase from mitotic human cells that phosphorylates Ser-209 on the casein kinase II  $\beta$ -subunit is p34<sup>cdc2</sup>  
 D.W. Litchfield, D.G. Bosc and E. Slominski (Canada) 69
- Gangliosides enhance IgE receptor-dependent histamine and LTC $_4$  release from human mast cells  
 T. Zuberbier, C. Pfrommer, J. Beinhözl, K. Hartmann, J. Ricklinkat and B.M. Czarnetzki (Germany) 79
- Oversulfated fucoidan and heparin suppress endotoxin induction of plasminogen activator inhibitor-1 in cultured human endothelial cells: their possible mechanism of action  
 S. Soeda, N. Fujii, H. Shimeno and A. Nagamatsu (Japan) 85
- Modulation by 1,25(OH) $_2$ -vitamin D $_3$  of the adenylyl cyclase/cyclic AMP pathway in rat and chick myoblasts  
 G. Vazquez, R. Boland and A.R. De Boland (Argentina) 91
- Hydrogen peroxide-and fetal bovine serum-induced DNA synthesis in vascular smooth muscle cells: positive and negative regulation by protein kinase C isoforms  
 M. Fiorani, O. Cantoni, A. Tasinato, D. Boscoboinik and A. Azzi (Italy, Switzerland) 98

## Regular Section

## Regular Papers

- Identification of a mechanism of iron uptake by cells which is stimulated by hydroxyl radicals generated via the iron-catalysed Haber-Weiss reaction  
*D.R. Richardson and P. Ponka (Canada)* 105
- The morphologic change of endothelial cells by an-crod-generated fibrin is triggered by  $\alpha_v\beta_3$  integrin binding and the subsequent activation of a G-protein coupled phospholipase C  
*M.-C. Chang, J.-H. Jeng, T.-C. Cheong and T.-F. Huang (Taiwan)* 115
- Effects of  $\text{Na}^+/\text{H}^+$  antiport and intracellular pH in the regulation of HL-60 cell apoptosis  
*W.-H. Zhu and T.-T. Loh (Hong Kong)* 122
- Calcium signals in olfactory neurons  
*E. Tareilus, J. Noé and H. Breer (Germany)* 129
- Interleukin-1 $\beta$  independently stimulates production of prostaglandin  $\text{E}_2$  and cyclic AMP from human decidual cells  
*O.F. Cole, H. Seki, M.G. Elder and M.H.F. Sullivan (UK)* 139
- Deleterious effects of xanthine oxidase on rat liver endothelial cells after ischemia/reperfusion  
*I. Hamer, R. Wattiaux and S. Wattiaux-De Coninck (Belgium)* 145
- Modulating hypoxia-induced hepatocyte injury by affecting intracellular redox state  
*S. Khan and P.J. O'Brien (Canada)* 153
- Khellin, but not 8-methoxypsoralen, inhibits adenylyl cyclase system in HeLa cells  
*A. Di Stefano, L. Trabalzini, R. La Gaetana, L. Parente, P. Lusini and P. Martelli (Italy)* 162
- Differential expression of thromboxane A synthase and prostaglandin H synthase in megakaryocytic cell line  
*N. Matijevic-Aleksic, S.K. Sanduja, L.-H. Wang and K.K. Wu (USA)* 167
- The transport of acidic amino acids and their analogues across monolayers of human intestinal absorptive (Caco-2) cells in vitro  
*P.L. Nicklin, W.J. Irwin, I.F. Hassan, M. Mackay and H.B.F. Dixon (UK)* 176

## Subsection

## Mini-Review

- Protein phosphorylation in apoptosis  
*B.T. Gjertsen and S.O. Døskeland (Norway)* 187

## Regular Section

## Short Sequence-Paper

- The trypanosomatid Rieske iron-sulfur proteins have a cleaved presequence that may direct mitochondrial import  
*J.W. Priest and S.L. Hajduk (USA)* 201

## Review

- Mechanisms of iron uptake by mammalian cells  
*Z.M. Qian and P.L. Tang (Hong Kong)* 205

## Regular Papers

- Distribution of A-kinase anchoring proteins in parietal cells  
*D.T. Dransfield, A.J. Bradford and J.R. Goldenring (USA)* 215
- Characterisation of cell movement by impedance measurement on fibroblasts grown on perforated Si-membranes  
*R. Hagedorn, G. Fuhr, K. Lichtwardt-Zinke, E. Richter, J. Hornung and A. Voigt (Germany)* 221
- Copper uptake by cultured trophoblast cells isolated from human term placenta  
*K.K. Tong and H.J. McArdle (UK)* 233
- Inhibition of prostacyclin release from cultured endothelial cells by nitrovasodilator drugs  
*J.S. Matthews, P.J. McWilliams, B.J. Key and M. Keen (UK)* 237
- Inhibition mechanism of HSP70 induction in murine FM3A cells maintained at low culture temperature  
*T. Hatayama and T. Masaoka (Japan)* 243
- Antibodies specific for proteolyzed forms of protein kinase C  $\alpha$   
*H. Kikuchi and S. Imajoh-Ohmi (Japan)* 253
- Activation of silent *MDR1* genes in revertant cells by fusion with multidrug-resistant cells  
*K. Yusa, J. Tamura, A. Waki and T. Tsuruo (Japan)* 260
- A characterization of the chloride conductance in mesangial cells from the *H-2K<sup>b</sup>-tsA58* transgenic mouse  
*R.D. Barber, A.S. Woolf and R.M. Henderson (UK)* 267
- BAP2*, a gene encoding a permease for branched-chain amino acids in *Saccharomyces cerevisiae*  
*M. Grauslund, T. Didion, M.C. Kielland-Brandt and H.A. Andersen (Denmark)* 275
- Voltage-activated and spontaneous  $\text{Cl}^-$ -channel activity in cultured human melanoma cell-line A2058  
*M. Kauranen, K. Kiviniitty and M. Weckström (Finland)* 281

Vascular smooth muscle cells metabolize endothelin-1 in the absence of a functional receptor  
*C.R. Gandhi (USA)*

290

### *Subsection*

### *Regular Papers*

Non-receptor cytosolic protein tyrosine kinases from various rat tissues

*G. Elberg, J. Li, A. Leibovitch and Y. Shechter (Israel)*

299

Cellular distribution of isoforms of protein kinase C (PKC) in pancreatic acini

*B. Bastani, L. Yang, J.J. Baldassare, D.A. Pollo and J.D. Gardner (USA)*

307

Some P<sub>2</sub> purinergic agonists increase cytosolic calcium but not inositol 1,4,5-trisphosphate in isolated rat hepatocytes

*S. Keppens and H. De Wulf (Belgium)*

316

*Cumulative Contents, Vol. 1269*

323

*Author Index*

326

